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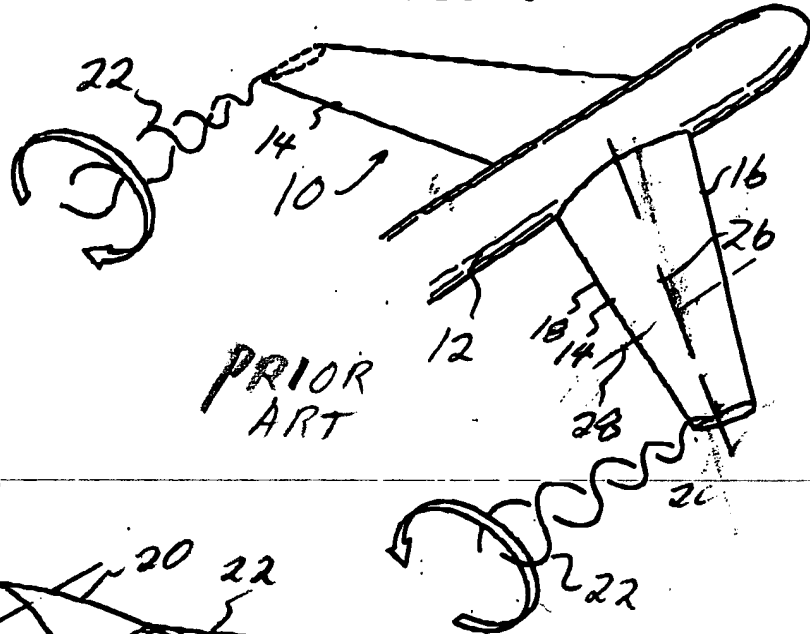
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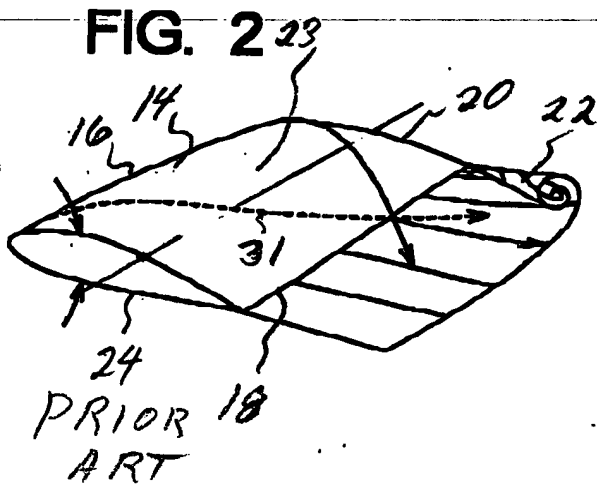
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FIG. 1



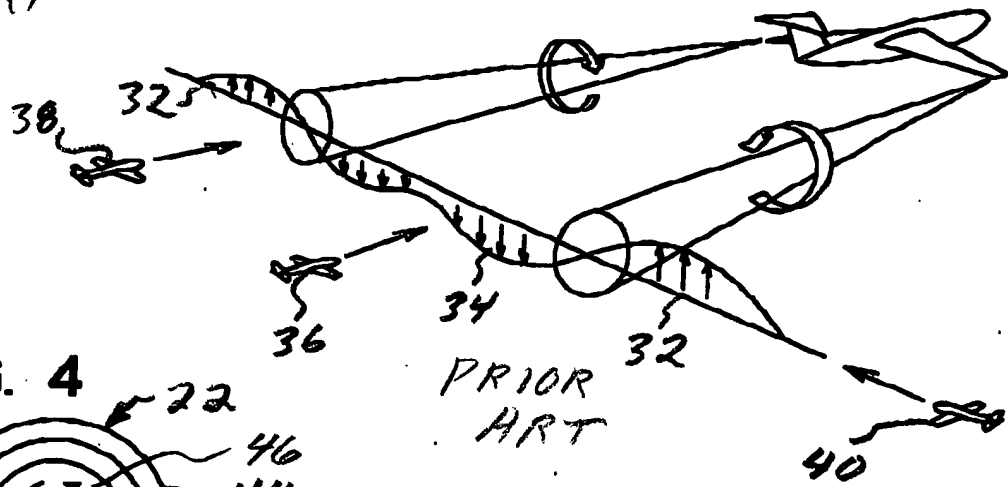
PRIOR ART

FIG. 2



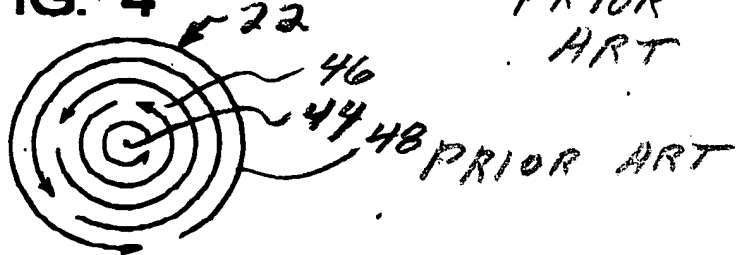
PRIOR ART

FIG. 3



PRIOR ART

FIG. 4



PRIOR ART

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FIG. 5 A

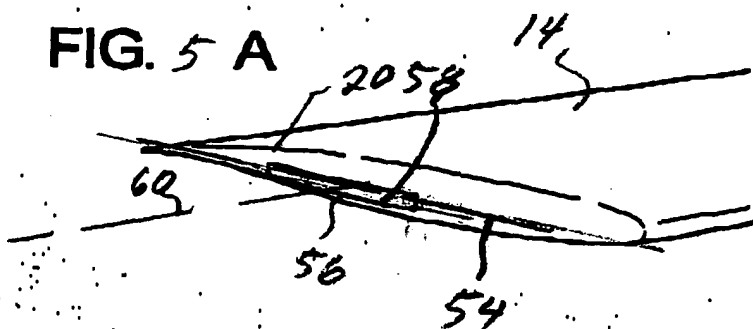


FIG. 5 B



FIG. 5 C



FIG. 5 D



3118

FIG. 6

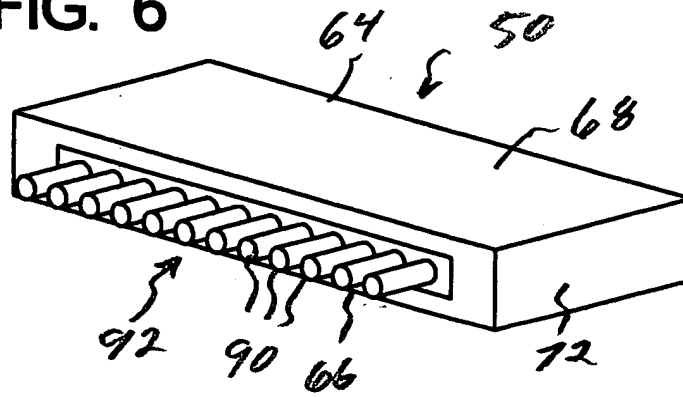


FIG. 7

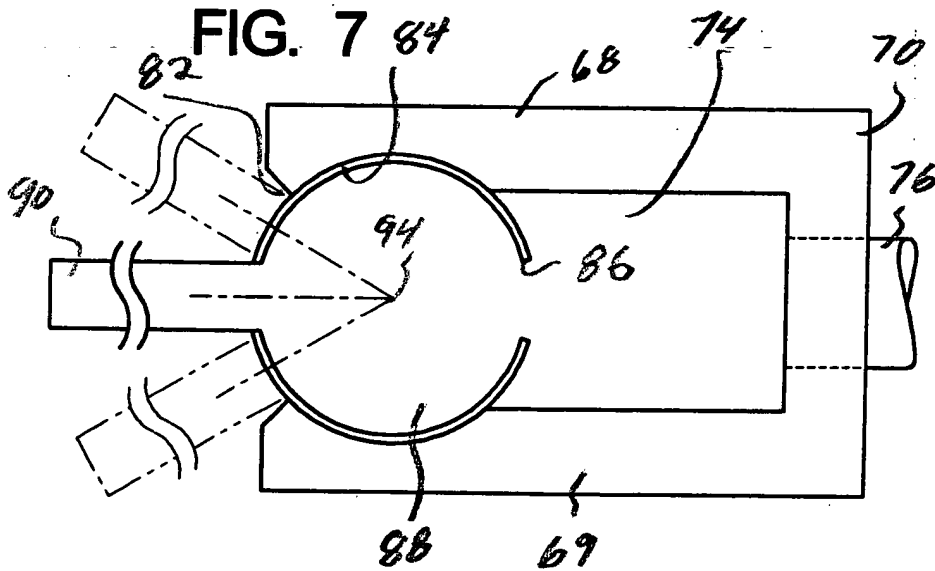
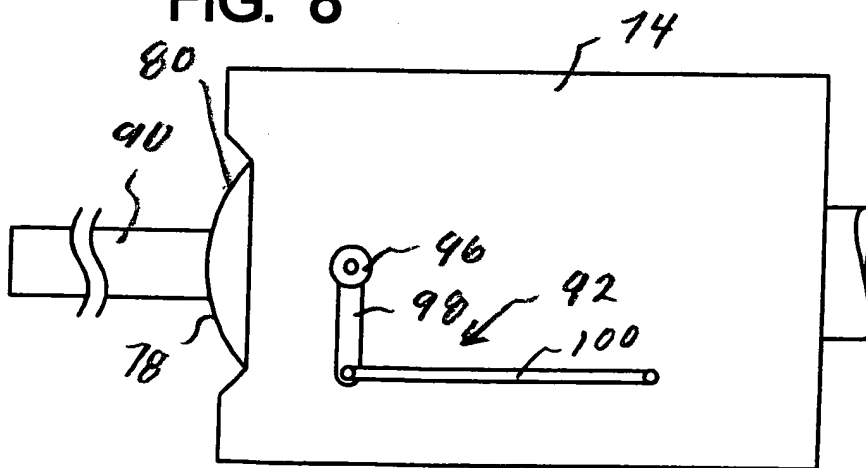


FIG. 8



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FIG. 9A

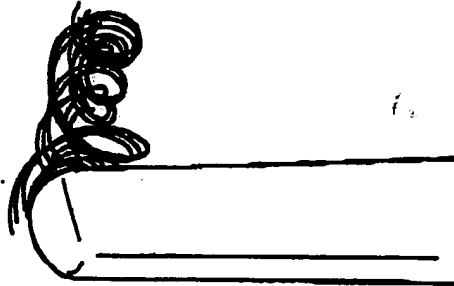
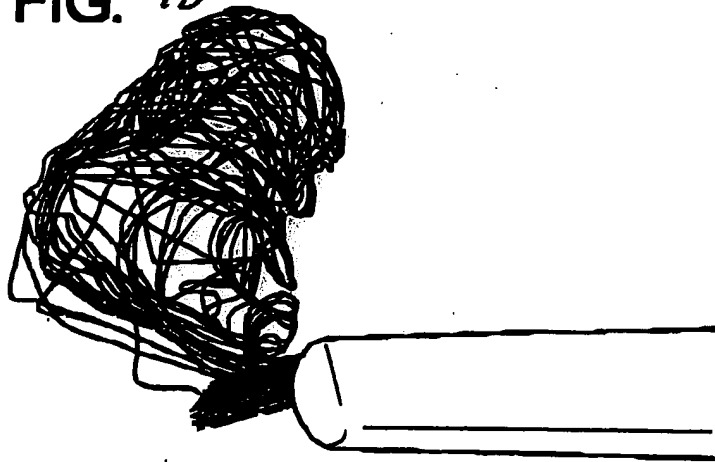
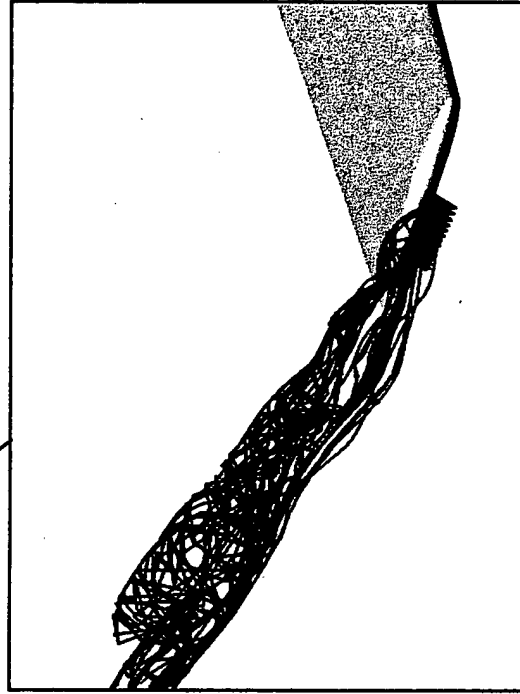
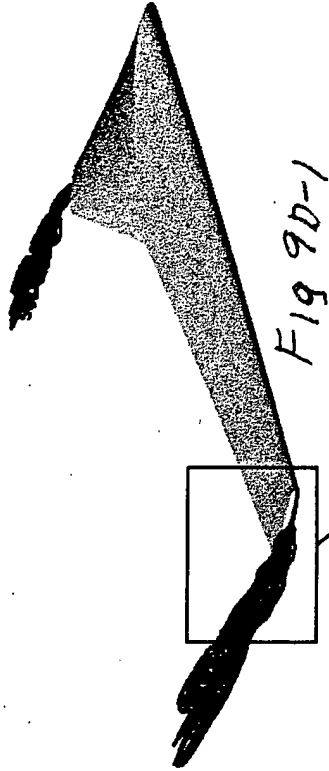


FIG. 9B

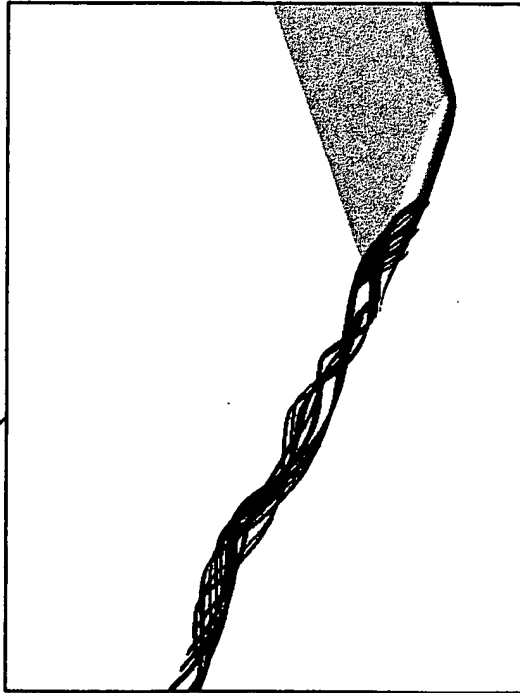
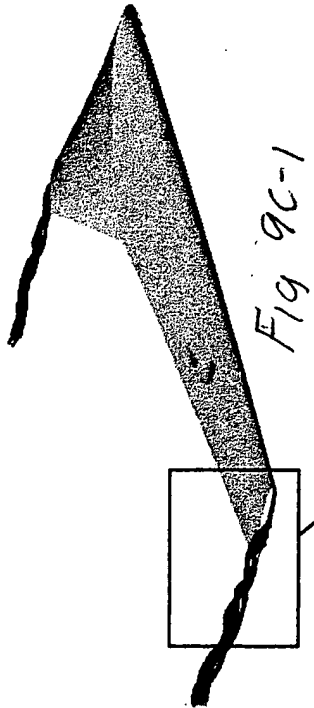


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After activation



Before activation



Before activation

Iso-surface marks the
core of the vortex

After activation

AFC at 10.7 H_z

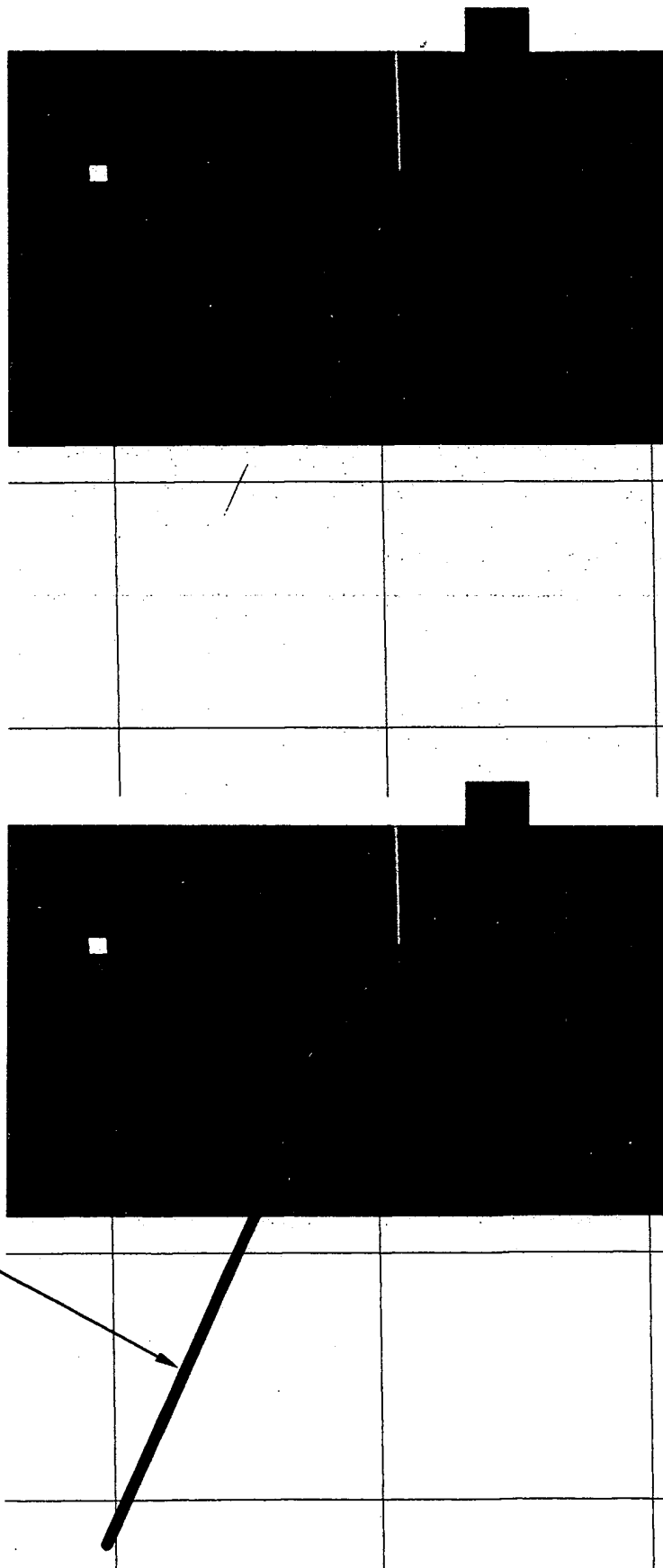
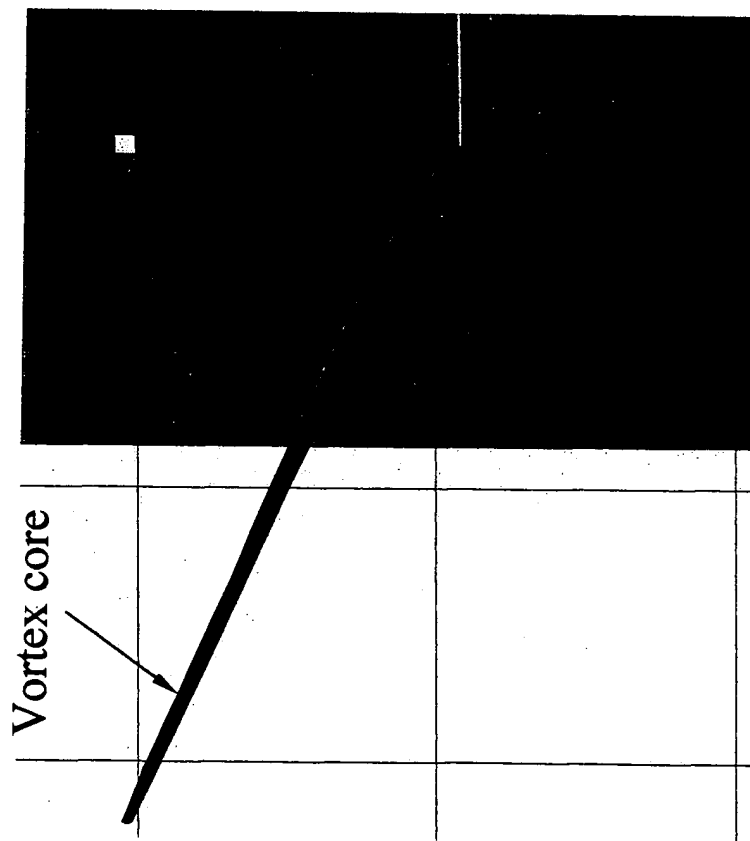


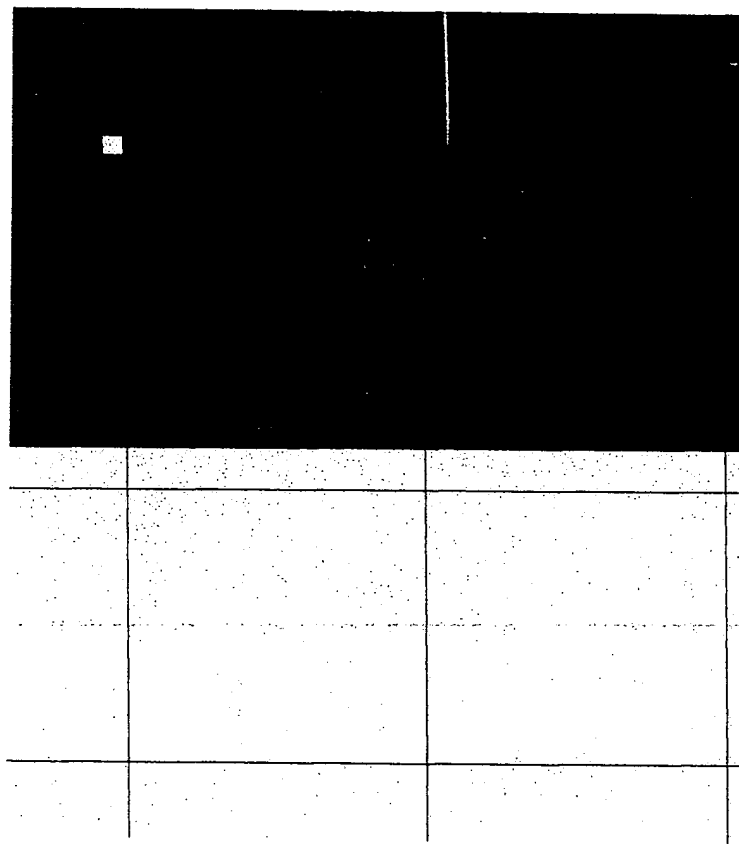
Figure 10A

Before activation



After activation

AFC at 10.7 Hz



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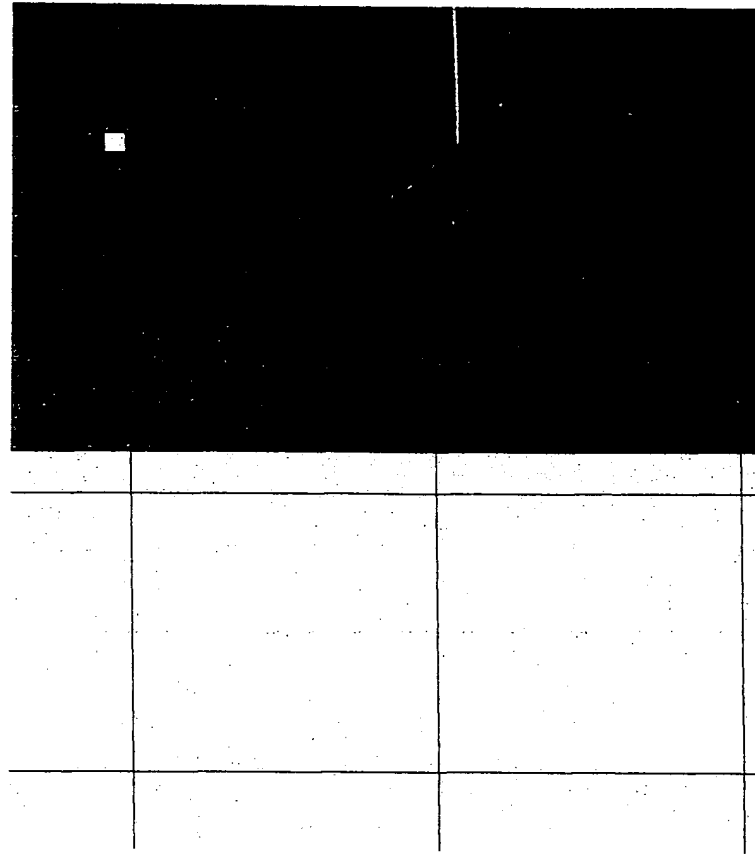
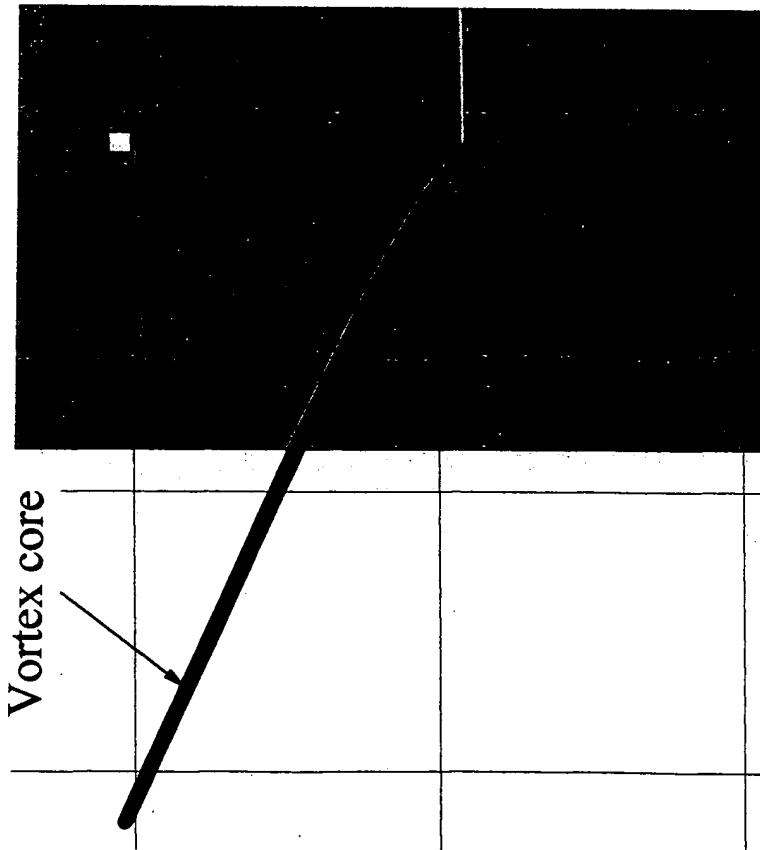
Figure 10B

Before activation

After activation

AFC at 10.7 Hz

Vortex core



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Figure 10c

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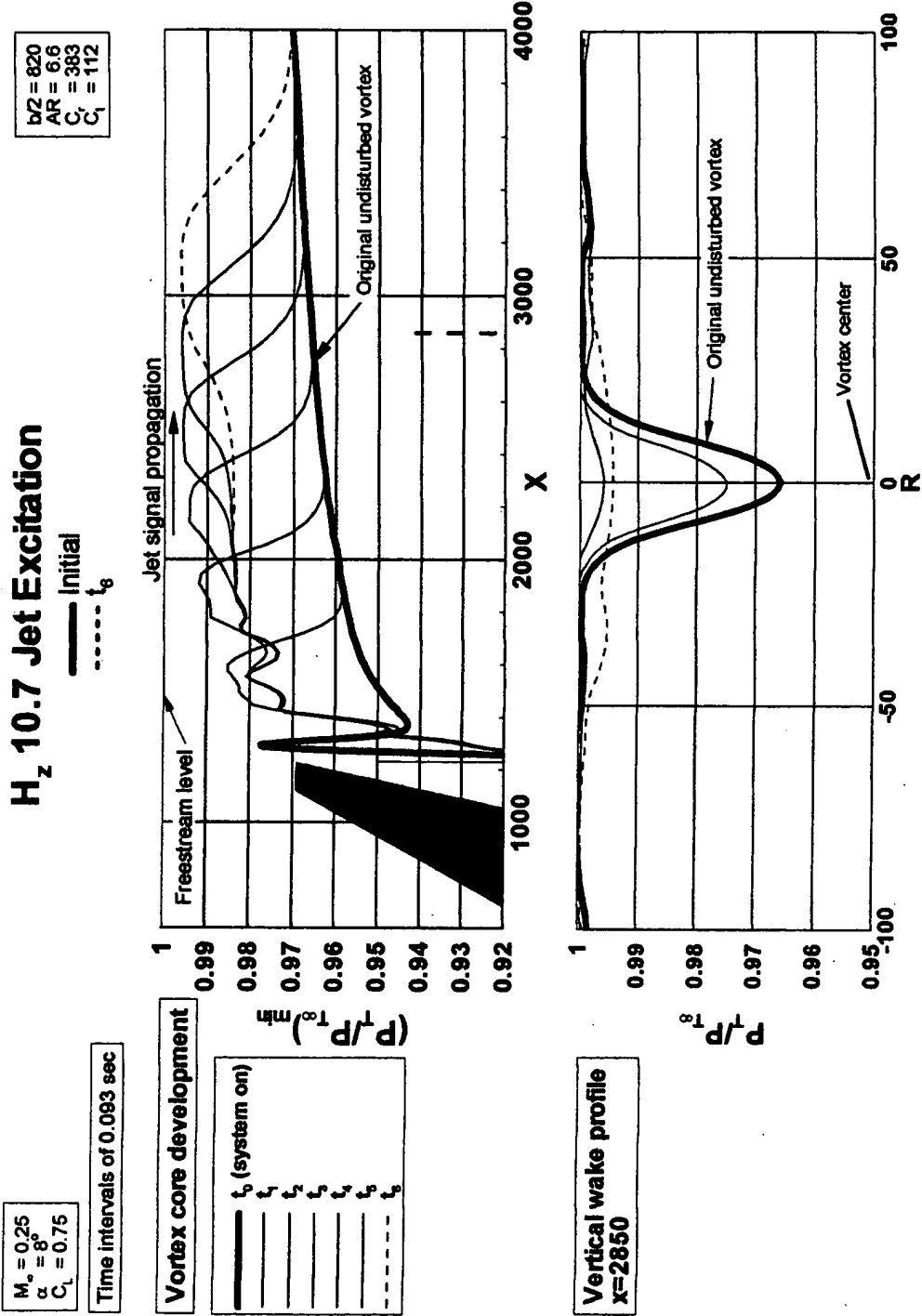


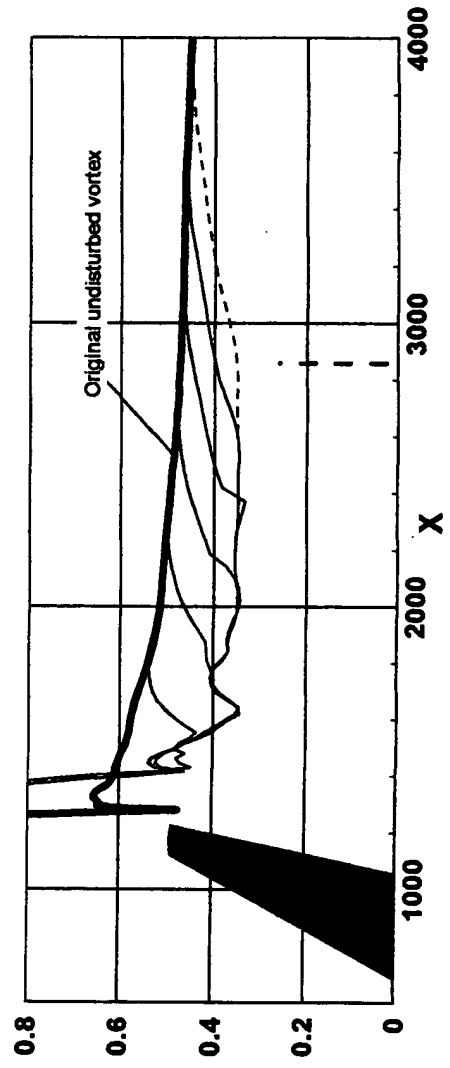
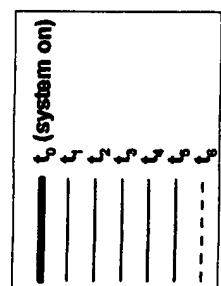
Figure 11A

H₂ 10.7 Jet Excitation

$M_\infty = 0.25$
 $\alpha = 8^\circ$
 $C_L = 0.75$

Time intervals of 0.093 sec

Vortex core development



$b/D = 820$
 $AR = 6.6$
 $C_v = 383$
 $C_t = 112$

Vertical wake profile
 $x=2850$

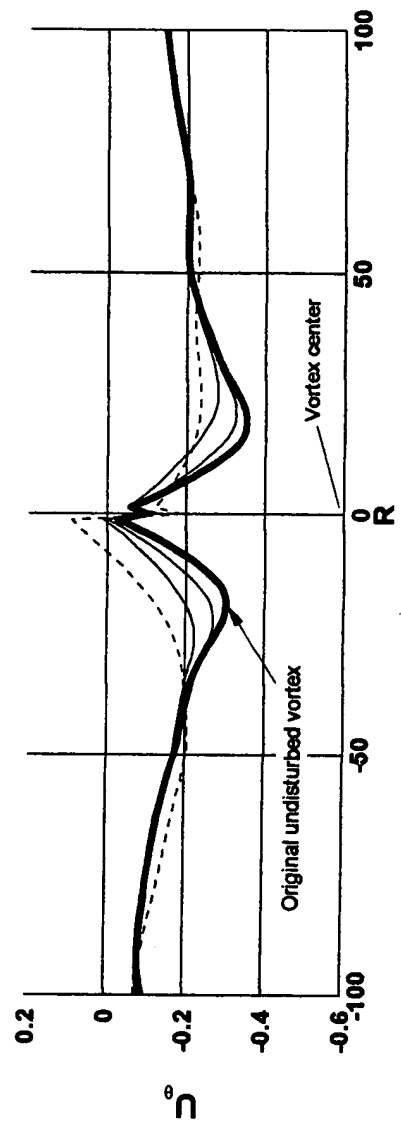


Figure 11B

H₂ 10.7 Jet Excitation

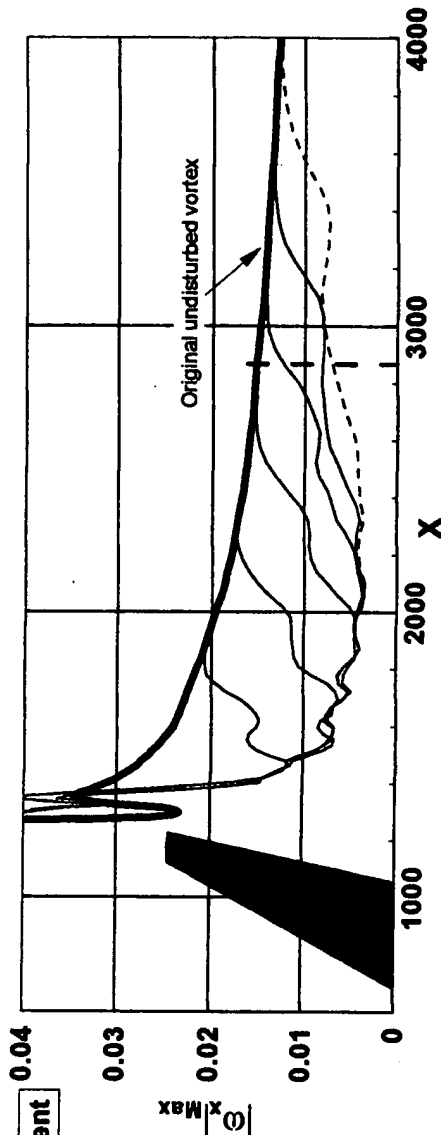
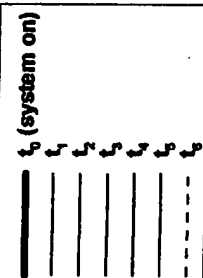
$M_\infty = 0.25$
 $\alpha = 8^\circ$
 $C_L = 0.75$

Time intervals of 0.093 sec

$b/2 = 820$
 $AR = 6.6$
 $C_r = 383$
 $C_t = 112$

— Initial
 - - - t_6

Vortex core development



Vertical wake profile
 $x=2850$

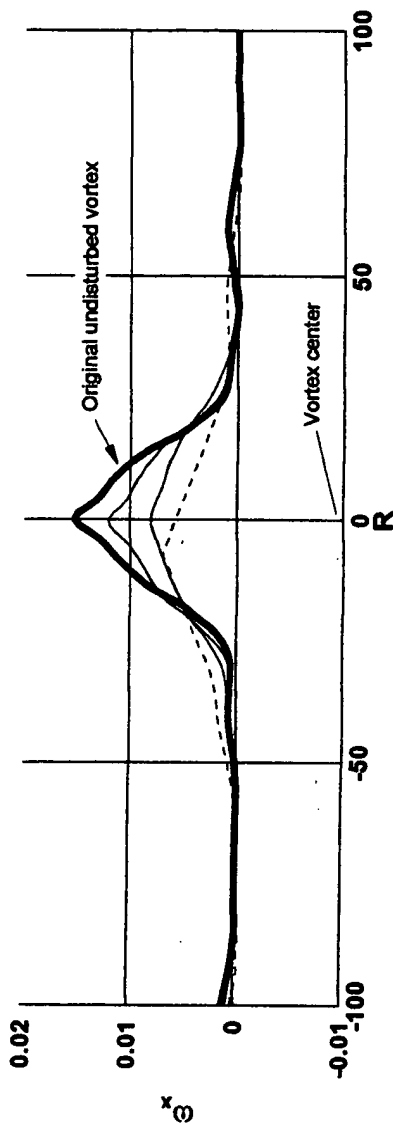
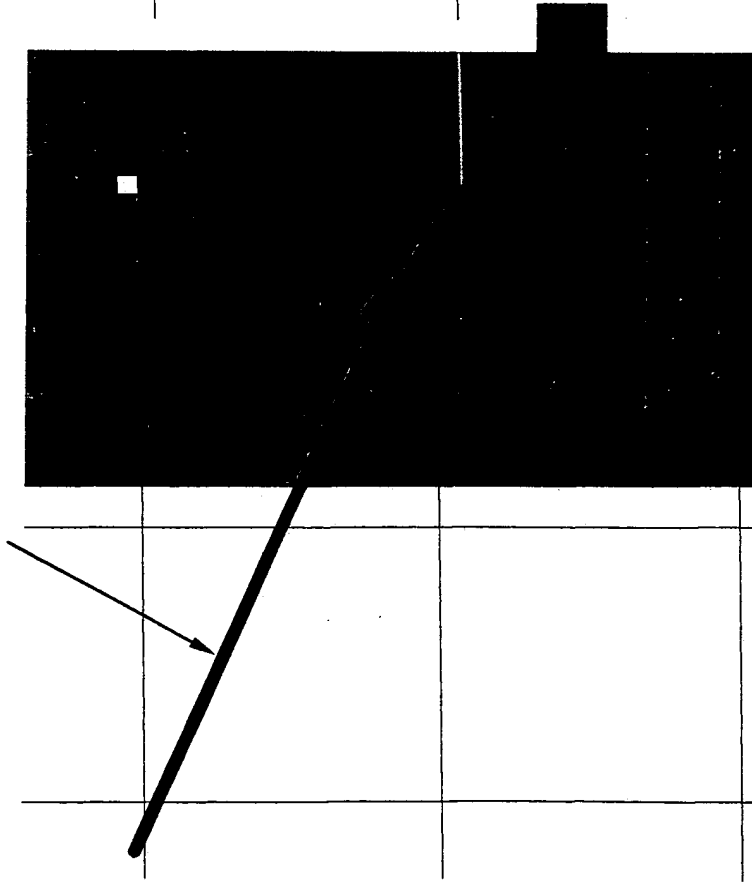


Figure 11C

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Before activation

Iso-surface marks the
core of the vortex



After activation

AFC at $1.07 H_z$

Instantaneous
vortical blobs

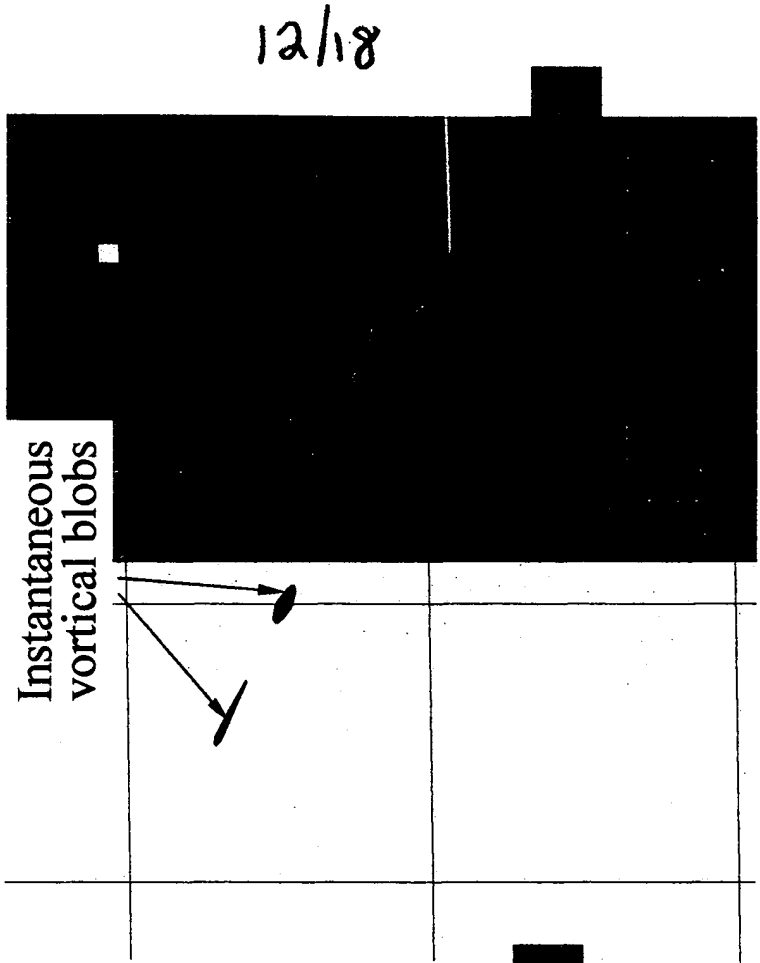
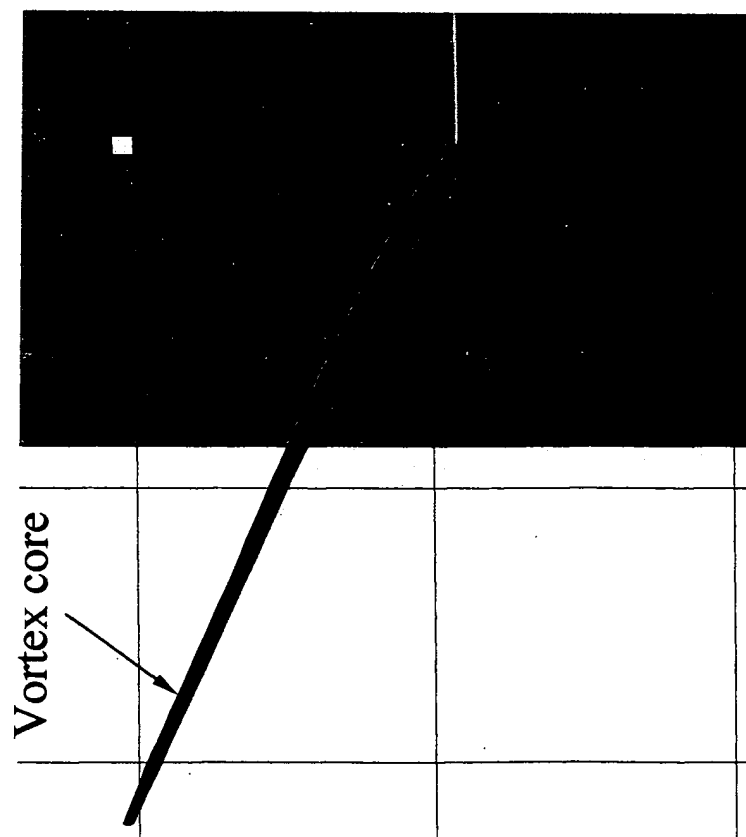


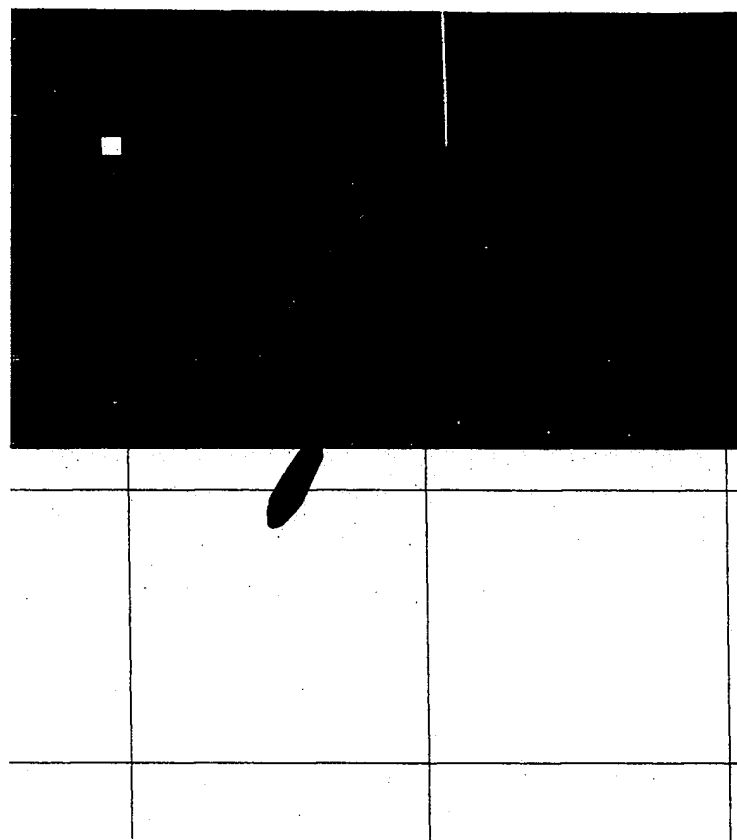
Figure 12A

Before activation



After activation

AFC at $1.07 H_z$



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Figure 12B

Before activation

After activation

AFC at 1.07 Hz

Vortex core

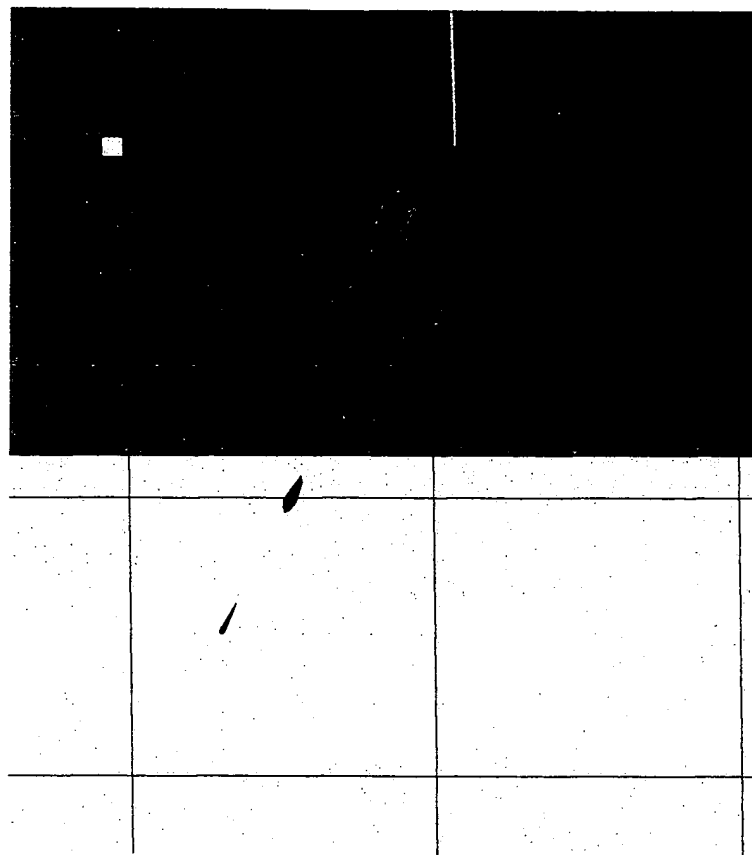
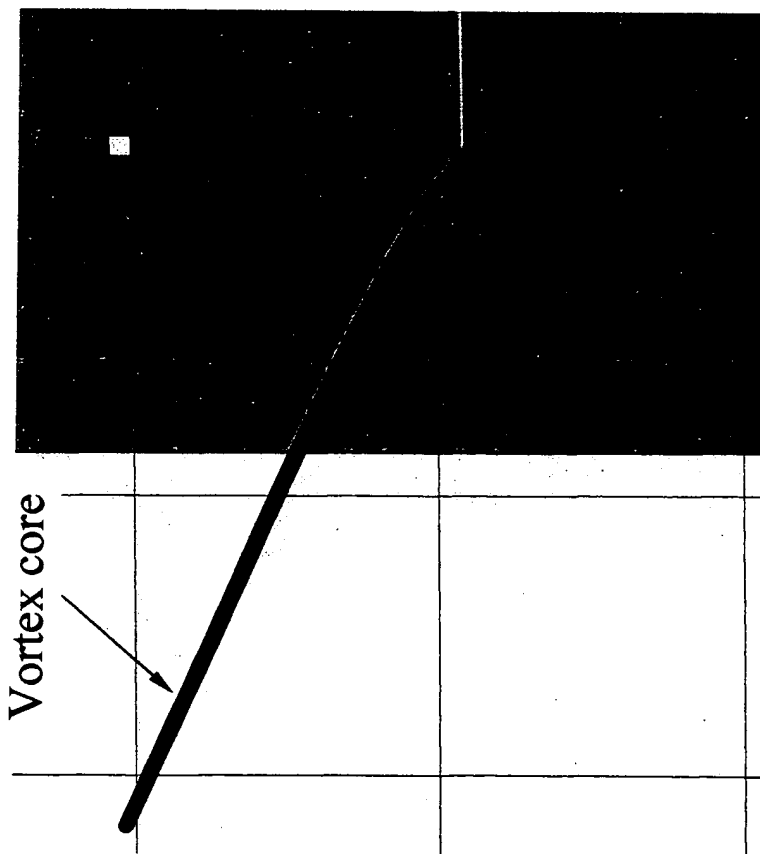


Figure 12c

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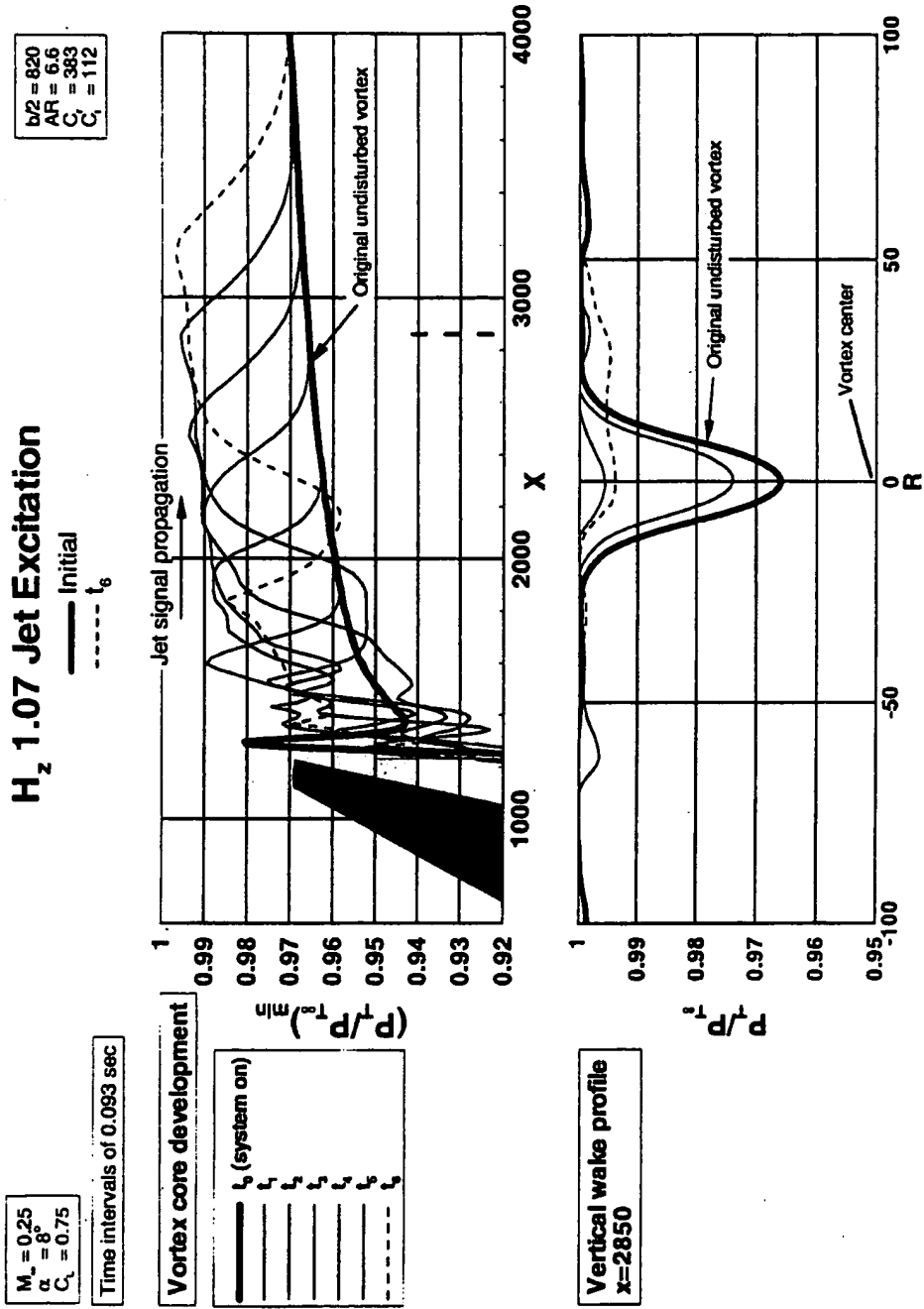


Figure 13A

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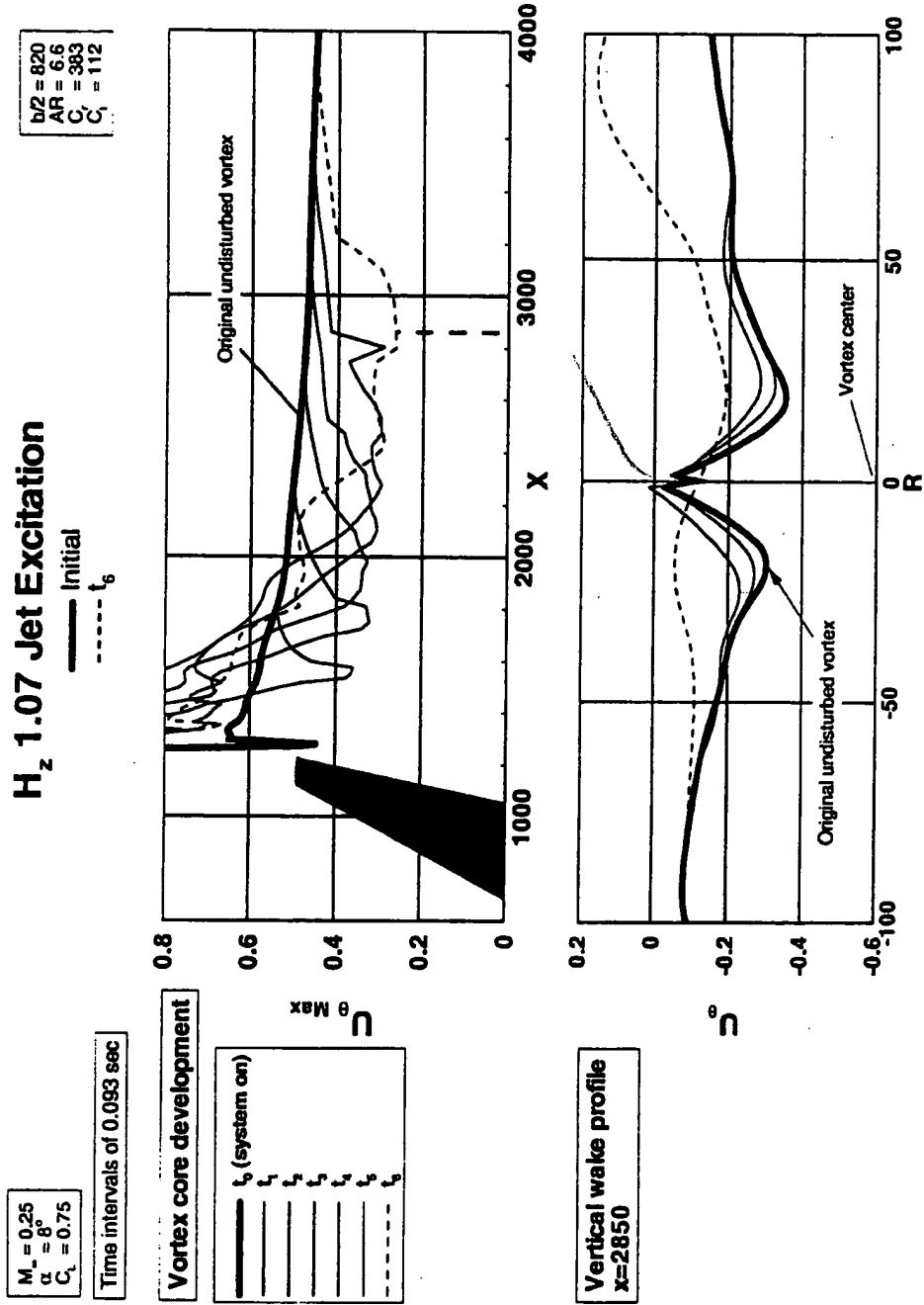


Figure 13B

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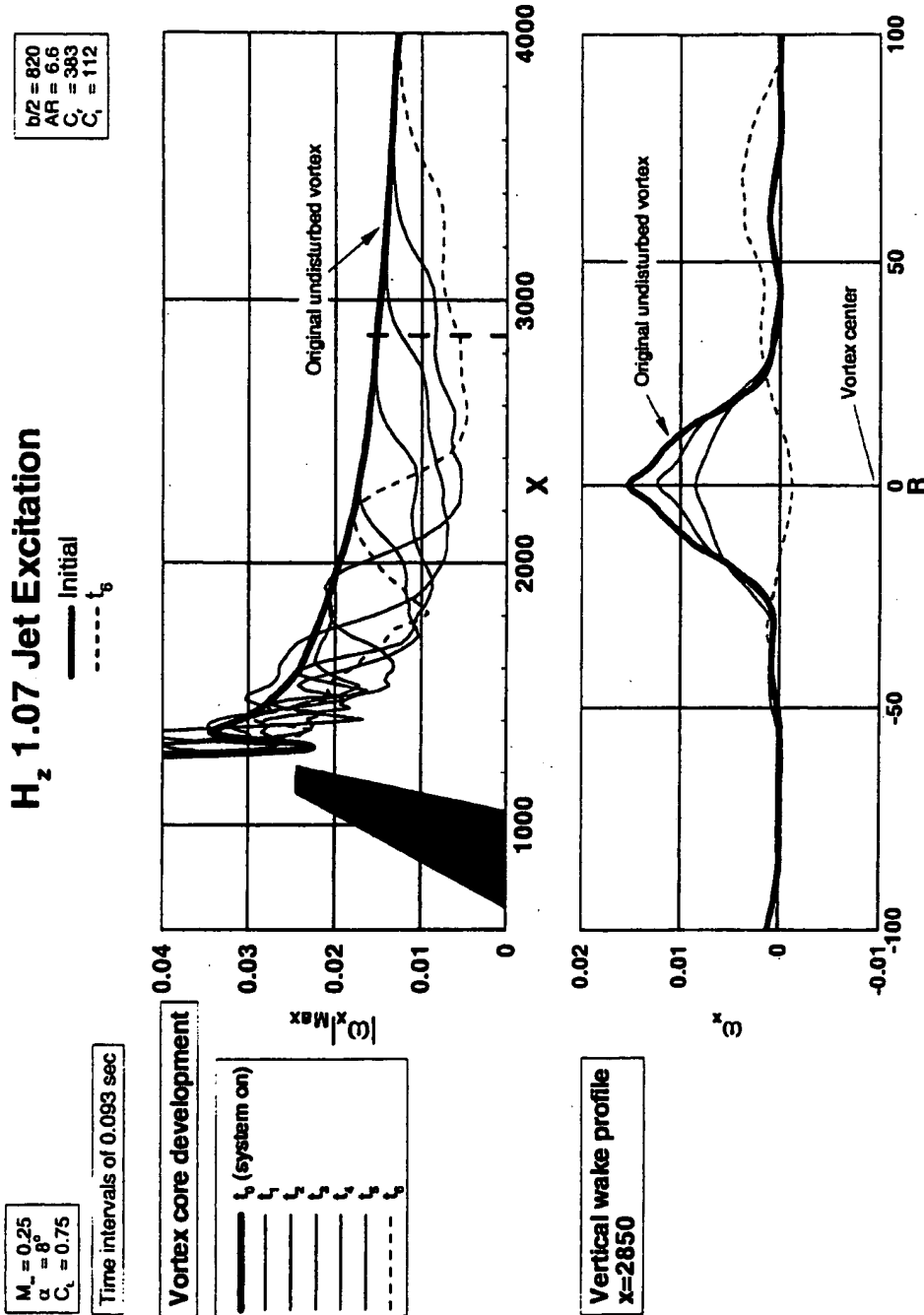


Figure 13c

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FIG. 14 A



FIG. 14 B

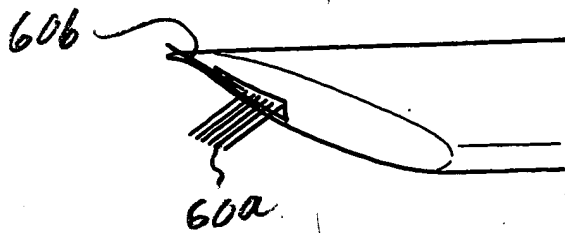


FIG. 14 C

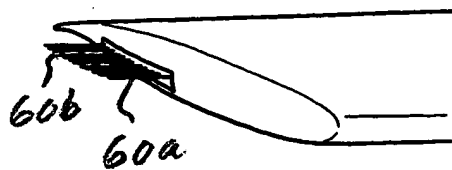


FIG. 14 D

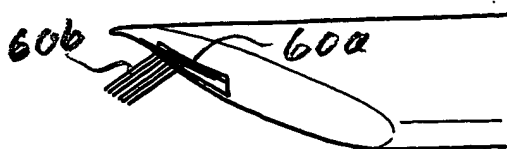


FIG. 14 E

